Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**2.6 Rotations Practice**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rotation 180o (CCW or CW)** | **Example:**  pre-image:  image: | **Rotation 270o CCW** | | **Example:**  pre-image:  image: | |
| **Rotation 90o CCW** | **Example:**  pre-image:  image: |  |  |  |  |
|  | |
|  |  |



Center of rotation:

(-2, 1)

Degree of rotation:

90o CCW

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRE-IMAGE** | | **Degree of Rotation** | **RULE** | **IMAGE** (change from center) | |
| from center to B |  |  |  | from center to B |  |
| from center to B |  | from center to B |  |
| from center to X |  | from center to X |  |
| from center to X |  |  | from center to X |  |
| from center to N |  | from center to N |  |
| from center to N |  | from center to N |  |



Center of rotation:

(0, -1)

Degree of rotation:

180o

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRE-IMAGE** | | **Degree of Rotation** | **RULE** | **IMAGE** (change from center) | |
| from center to J |  |  |  | from center to J |  |
| from center to J |  | from center to J |  |
| from center to K |  | from center to K |  |
| from center to K |  |  | from center to K |  |
| from center to V |  | from center to V |  |
| from center to V |  | from center to V |  |



Center of rotation:

(0, -1)

Degree of rotation:

270o

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRE-IMAGE** | | **Degree of Rotation** | **RULE** | **IMAGE** (change from center) | |
| from center to J |  |  |  | from center to J |  |
| from center to J |  | from center to J |  |
| from center to K |  | from center to K |  |
| from center to K |  |  | from center to K |  |
| from center to V |  | from center to V |  |
| from center to V |  | from center to V |  |



Center of rotation:

(1, 1)

Degree of rotation:

270o

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRE-IMAGE** | | **Degree of Rotation** | **RULE** | **IMAGE** (change from center) | |
| from center to J |  |  |  | from center to J |  |
| from center to J |  | from center to J |  |
| from center to K |  | from center to K |  |
| from center to K |  |  | from center to K |  |
| from center to V |  | from center to V |  |
| from center to V |  | from center to V |  |



Center of rotation:

(-2 -2)

Degree of rotation:

90o

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRE-IMAGE** | | **Degree of Rotation** | **RULE** | **IMAGE** (change from center) | |
| from center to J |  |  |  | from center to J |  |
| from center to J |  | from center to J |  |
| from center to K |  | from center to K |  |
| from center to K |  |  | from center to K |  |
| from center to V |  | from center to V |  |
| from center to V |  | from center to V |  |



Center of rotation:

(-3, -2)

Degree of rotation:

180o

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PRE-IMAGE** | | **Degree of Rotation** | **RULE** | **IMAGE** (change from center) | |
| from center to B |  |  |  | from center to B |  |
| from center to B |  | from center to B |  |
| from center to X |  | from center to X |  |
| from center to X |  |  | from center to X |  |
| from center to N |  | from center to N |  |
| from center to N |  | from center to N |  |